

Cabinetmaker's Benches and Vises

The cabinetmaker's benches and vises made by the Globe Vise and Truck Co. of Grand Rapids, are illustrated in Figs. 1, 2, 3, 4 and 5. The bench, Fig. 1, is 34 inches high, 28 inches wide and 6 feet 3 inches long. The front for 15 inches wide is of thoroughly kiln-dried, hard maple strips, glued together and $2\frac{5}{8}$ inches

carbon steel with a section of the threads cut away longitudinally, permitting a perfectly free sliding of the screw backward and forward for quick setting.

Five styles of vises are made; these are constructed identically the same as shown in the illustrations and vary only in width and in opening of jaws. Fig. 3 shows a vise used for clamping stock to the side of the bench and is suitable for all wood-working purposes. It is especially adapted for the demands of cabinetmakers, patternmakers, carpenters and shipbuilders. The jaws are 12 inches long, faced with hard wood and open 11 inches. The weight of this vise is 37 pounds. Fig. 4 is frequently employed in connection with Fig. 3 and is used as a tail vise on the end of the bench and has provision for a wood or steel pin for the purpose of clamping stock endwise on top of the bench. The jaws are 12 inches long, faced with hard wood, and open 8 inches. The weight of this tail vise is 37 pounds.

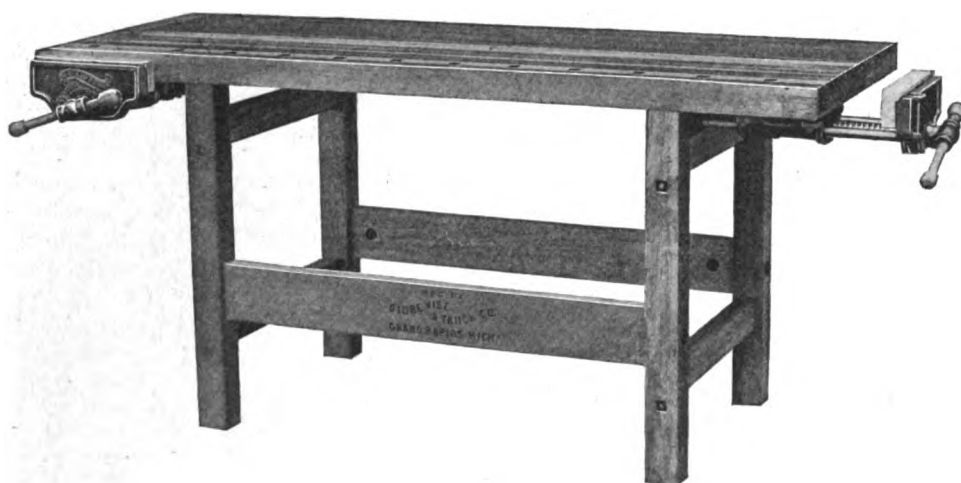


Fig. 1

thick. The balance, 13 inches, is of soft wood. There are two quick-acting vises attached and both can be opened instantly to the desired width and by a turn of the handle the stock is firmly gripped and ready for work. The front vise opens 11 inches and tail vise opens 7 inches.

The Globe quick-acting vises have no delicate castings, every part is as strong as the illustrations suggest and each piece is designed to the end of having the tool constantly in commission. The gripping power of this vise is obtained by the screw auxiliary incline shown in Fig. 2. The nut is divided in halves, an upper and lower. The upper part is made of hard brass, has 7 inches of thread and is placed in a yoke revolving with the vise screw and which is carried backward by means of the incline to a point where the threads will always mesh with the threads on the screw and cause the jaw to grip readily.

The vise screw is of $1\frac{1}{8}$ -inch 20-point

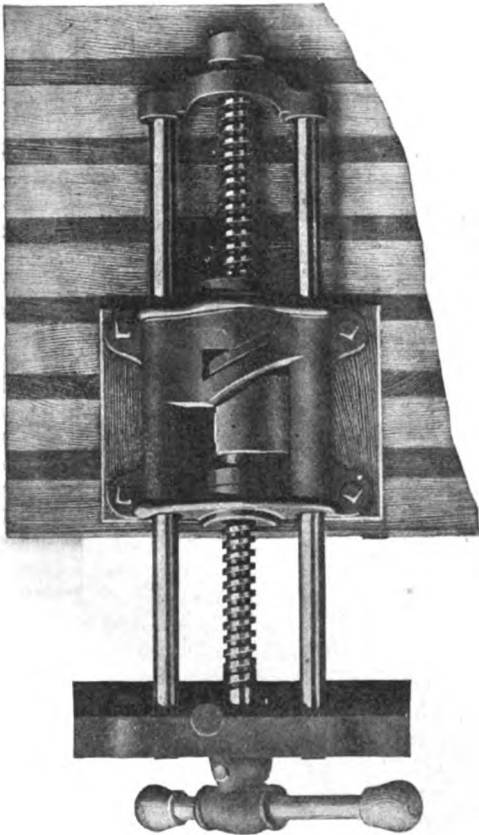


Fig. 2

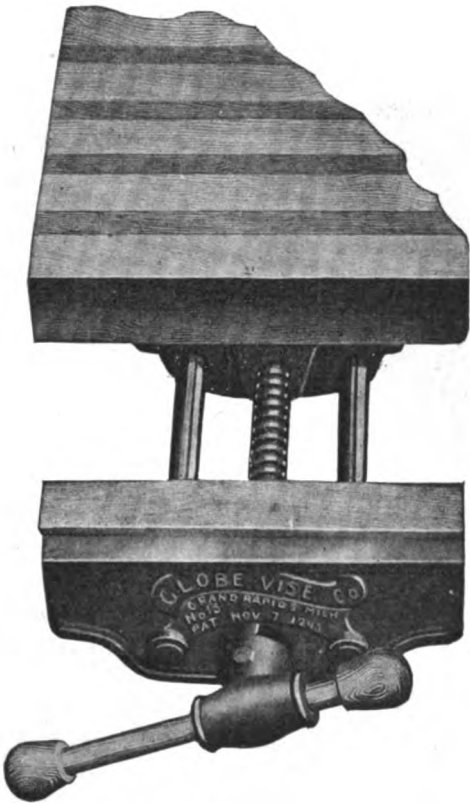


Fig. 3

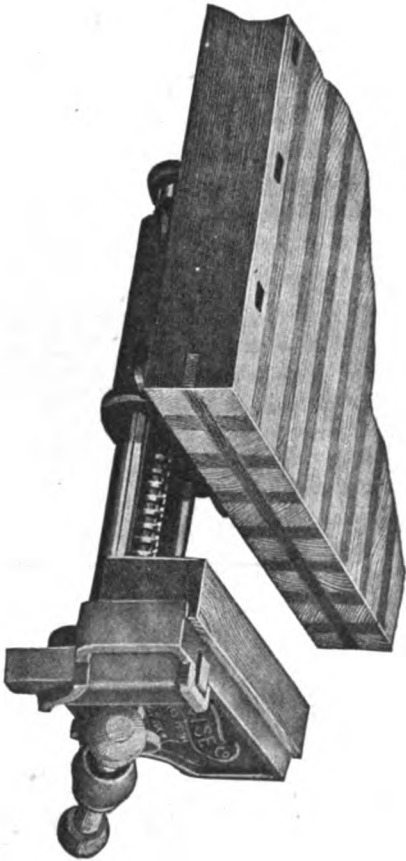


Fig. 4